

IN THE SPECIFICATION:

Please amend pages 12-13 and 18-19, Tables 1, 2, 3 and 4 of the specification as follows:

Table 1. Chemical composition in percent by weight of the test melt and nominal composition in percent by weight of comparative examples 1-3.

Alloy	C	Si	Mn	Cr	Ni	Mo	Further elements
Alloy 1	[[0,42]] <u>0.42</u>	[[0,33]] <u>0.33</u>	[[0,55]] <u>0.55</u>	[[14,55]] <u>14.55</u>	[[0,15]] <u>0.15</u>	[[2,69]] <u>2.69</u>	Co [[0,02]] <u>0.02</u> V [[0,05]] <u>0.05</u> (imp.) Cu [[0,03]] <u>0.03</u> (imp.) N [[0,18]] <u>0.18</u>
Comp. ex. 1	[[0,60]] <u>0.60</u>	[[0,4]] <u>0.4</u>	[[0,4]] <u>0.4</u>	[[13,5]] <u>13.5</u>	[[0,5]] <u>0.5</u>	[[0,15]] <u>0.15</u>	N [[0,02]] <u>0.02</u>
Comp. ex. 2	[[0,38]] <u>0.38</u>	[[0,4]] <u>0.4</u>	[[0,55]] <u>0.55</u>	[[13,5]] <u>13.5</u>	[[0,3]] <u>0.3</u>	[[1,0]] <u>1.0</u>	N [[0,072]] <u>0.072</u>
Comp. ex. 3	[[0,95]] <u>0.95</u>	[[0,4]] <u>0.4</u>	[[0,65]] <u>0.65</u>	[[13,5]] <u>13.5</u>	[[0,5]] <u>0.5</u>	[[0,2]] <u>0.2</u>	N [[0,02]] <u>0.02</u>

Table 2. Result from testing according to ISO 8442.1 and ISO 8442.5.

Blade description	Hardness		Retained Austenite	ISO 8442.5		ISO 8442.1
	(HV 1 kg)	(HRC, Calculated)		ICP, Catra resharpening	TCC, Catra resharpening	
	(mm)	(mm)				
Alloy 1, A	666	[[58,6]] <u>58.6</u>	[[7,7]] <u>7.7</u>	[[104,5]] <u>104.5</u>	[[503,7]] <u>503.7</u>	P1
Alloy 1, B	665	[[58,5]] <u>58.5</u>	[[8,7]] <u>8.7</u>	[[102,8]] <u>102.8</u>	[[402,4]] <u>402.4</u>	P2
Alloy 1, C	673	[[58,9]] <u>58.9</u>	[[8,2]] <u>8.2</u>	[[104,8]] <u>104.8</u>	[[485,9]] <u>485.9</u>	P1
Comp. Ex.1, D	653	[[57,9]] <u>57.9</u>	[[8,2]] <u>8.2</u>	[[100,4]] <u>100.4</u>	[[605,1]] <u>605.1</u>	F3
Comp. Ex.1, E	655	[[58,0]] <u>58.0</u>	[[8,4]] <u>8.4</u>	[[106,5]] <u>106.5</u>	[[399,7]] <u>399.7</u>	P2
Comp. Ex.1, F	653	[[57,9]] <u>57.9</u>	[[8,1]] <u>8.1</u>	[[103,7]] <u>103.7</u>	[[396,2]] <u>396.2</u>	P2
Alloy 1, average	668	[[58,7]] <u>58.7</u>	[[8,2]] <u>8.2</u>	[[104,0]] <u>104.0</u>	[[464,0]] <u>464.0</u>	Pass
Comp. Ex.1, average	654	[[57,9]] <u>57.9</u>	[[8,2]] <u>8.2</u>	[[103,5]] <u>103.5</u>	[[467,0]] <u>467.0</u>	Fail
Total average	661	[[58,3]] <u>58.3</u>	[[8,2]] <u>8.2</u>	[[103,8]] <u>103.8</u>	[[465,5]] <u>465.5</u>	

Table 3. Compositions of Alloys 2-6 in percent by weight.

Alloy	C	Si	Mn	Cr	Ni	Mo	Further elements
Alloy 2	[[0,45]] <u>0.45</u>	[[0,2]] <u>0.2</u>	[[0,5]] <u>0.5</u>	[[12,5]] <u>12.5</u>	[[0,7]] <u>0.7</u>	[[3,8]] <u>3.8</u>	N [[0,18]] <u>0.18</u>
Alloy 3	[[0,55]] <u>0.55</u>	[[0,3]] <u>0.3</u>	[[0,5]] <u>0.5</u>	[[12,5]] <u>12.5</u>	[[0,6]] <u>0.6</u>	[[2,9]] <u>2.9</u>	Co [[1,0]] <u>1.0</u> N [[0,18]] <u>0.18</u>
Alloy 4	[[0,55]] <u>0.55</u>	[[0,2]] <u>0.2</u>	[[0,5]] <u>0.5</u>	[[13,5]] <u>13.5</u>	[[0,5]] <u>0.5</u>	[[3,5]] <u>3.5</u>	N [[0,18]] <u>0.18</u>
Alloy 5	[[0,45]] <u>0.45</u>	[[0,4]] <u>0.4</u>	[[0,5]] <u>0.5</u>	[[13,5]] <u>13.5</u>	[[0,4]] <u>.4</u>	3	Co [[2,0]] <u>2.0</u> N [[0,18]] <u>0.18</u>
Alloy 6	[[0,45]] <u>0.45</u>	[[0,4]] <u>0.4</u>	[[0,5]] <u>0.5</u>	[[14,5]] <u>14.5</u>	[[0,3]] <u>0.3</u>	[[2,5]] <u>2.5</u>	N [[0,18]] <u>0.18</u>

Table 4. Results of Thermo-Calc calculations.

Alloy	Hardening Temp. (°C)	PRE Alloy	PRE Austenite	C+N (wt-%) Austenite	M23C6 (mole-%)	Ms-Temp. (°C)
Alloy 1	1035	[[26,3]] <u>26.3</u>	[[24,7]] <u>24.7</u>	[[0,48]] <u>0.48</u>	[[3,0]] <u>3.0</u>	132
Alloy 2	1035	[[27,9]] <u>27.9</u>	[[25,8]] <u>25.8</u>	[[0,52]] <u>0.52</u>	[[2,4]] <u>2.4</u>	121
Alloy 3	1035	[[25,0]] <u>25.0</u>	[[22,9]] <u>22.9</u>	[[0,57]] <u>0.57</u>	[[4,0]] <u>4.0</u>	124
Alloy 4	1035	[[27,9]] <u>27.9</u>	[[25,2]] <u>25.2</u>	[[0,53]] <u>0.53</u>	[[4,9]] <u>4.9</u>	121
Alloy 5	1035	[[26,3]] <u>26.3</u>	[[24,5]] <u>24.5</u>	[[0,50]] <u>0.50</u>	[[3,2]] <u>3.2</u>	151
Alloy 6	1035	[[25,6]] <u>25.6</u>	[[23,8]] <u>23.8</u>	[[0,49]] <u>0.49</u>	[[3,4]] <u>3.4</u>	129
Comp. Ex. 1	1080	[[14,3]] <u>14.3</u>	[[13,4]] <u>13.4</u>	[[0,51]] <u>0.51</u>	[[2,7]] <u>2.7</u>	147
Comp. Ex. 2	1030	[[18,0]] <u>18.0</u>	[[17,2]] <u>17.2</u>	[[0,39]] <u>0.39</u>	[[1,4]] <u>1.4</u>	184
Comp. Ex. 3	1060	[[14,5]] <u>14.5</u>	[[11,4]] <u>11.4</u>	[[0,57]] <u>0.57</u>	[[9,6]] <u>9.6</u>	137